

LCD TV LE15E31S

- AFTER SALES SERVICE

 Do not hesitate to contact your retailer or service agent if a change in the performance of your product indicates that a faulty condition may be present.



Owner's Instructions

Before operating the unit, please read this manual thoroughly, and retain it for future reference.



ON-SCREEN MENUS
PC DISPLAY
TELETEXT

BN68-00438S-02

This device is a Class B digital apparatus.



LCD TV LE15E31S

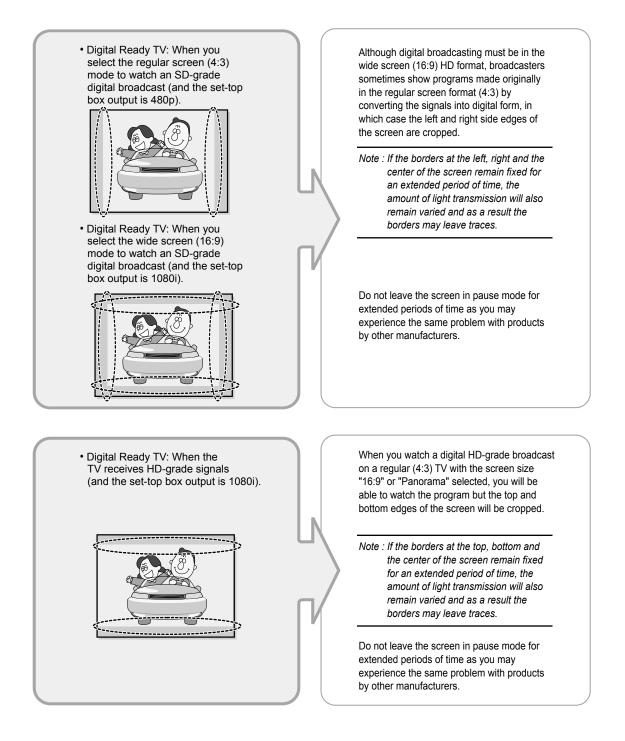
Owner's Instructions

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ON-SCREEN MENUS PC DISPLAY TELETEXT

Precautions When Displaying a Still Image

A still image may cause permanent damage to the TV screen.



 Integrated Digital TV Although digital broadcasting must be in the (Wide-screen): When the TV wide screen (16:9) HD format, broadcasters receives SD-grade (regular) sometimes show programs made originally broadcasting signals (receives in the regular screen format (4:3) by 480p regular signals). converting the signals into digital form, in which case the left and right side edges of • Digital Ready TV (wide-screen): the screen are cropped. digital TV: When the TV receives SD-grade (regular) broadcasting Note : If the borders at the left, right and the signals (with a set-top box). center of the screen remain fixed for an extended period of time, the When you watch an analogue amount of light transmission will also (regular) broadcast on a wide-screen TV (with the 4:3 screen remain varied and as a result the mode selected). borders may leave traces. Do not leave the screen in pause mode for extended periods of time as you may experience the same problem with products by other manufacturers. When you watch a DVD, CD or a If you connect a DVD player, computer or a video in wide screen (21:9) format on game console to the wide-screen TV and a wide-screen (16:9) TV. watch a movie or play a game in regular (4:3) or wide (21:9) screen mode, the left When you connect a computer or a and right side edges, or the top and bottom game console to the TV and select edges of the screen will be cropped. the 4:3 screen mode. Note : If the borders at the left, right and the center of the screen remain fixed for an extended period of time, the amount of light transmission will also remain varied and as a result the borders may leave traces. Do not leave the screen in pause mode for extended periods of time as you may experience the same problem with products by other manufacturers.

Contents

CONNECTING AND PREPARING YOUR TV	
Viewing the Control Panel	4
Viewing the Connection Panel	5
 Connecting an Aerial or Cable Television Network 	
 Connecting a Set-Top Box, VCR or DVD 	6
 Connecting a Computer 	6
- Connecting External A/V Devices	
- Connecting Headphones	
– Kensington Slot	
Viewing Pictures From External Sources	
Inserting the Batteries in the Remote Control	
Viewing the Remote Control (All Functions Except Teletext)	
 Viewing the Remote Control (Teletext Functions)	
 Switching On and Off 	
 Placing in Standby Mode 	
 Becoming Familiar with the Remote Control 	
 Plug & Play 	
 Selecting TV Mode or an Input Source 	
 Editing an Input Source Name 	
 Choosing Your Language 	
 SETTING THE CHANNELS Storing Channels Automatically Storing Channels Manually Editing the Channels Sorting the Stored Channels Giving Channels Names 	20 22 23
SETTING THE PICTURE	
Changing the Picture Standard	
 Adjusting the Custom Picture 	26
 Adjusting the Screen Background Colour 	27
SETTING THE SOUND	
Changing the Sound Standard	
 Selecting Auto Volume Control 	29

Contents

•	SETTING THE TIME Setting the Clock Switching Off Automatically Switching the Television On and Off Automatically	30 31 32
	USING THE VARIOUS FUNCTIONS Setting the Blue Screen Mode Displaying Information 	33 33
•	USING THE TELETEXT FEATURE Teletext Feature Displaying the Teletext Information Selecting a Page by Number Using FLOF to Select a Page Storing Teletext Pages	34 35 36 37 37
•	USING THE PC FUNCTIONS Setting Up Your PC Software Coarse and Fine Tuning of the Image Changing the Image Position Initializing the Image Settings Adjusting the PC Screen Automatically Picture Mode Adjusting the Custom Picture Adjusting the Screen Background Colour	38 39 40 41 42 43 43 44 45
•	Recommendations For Use Troubleshooting: Before Contacting Service Personnel Power Saver. Technical and Environmental Specifications Display Modes. Retractable Stand. Using Your TV in Another Country Using the Anti-Theft Kensington Lock. Installing the Wall Mount Kit	46 47 48 49 50 50 51 52



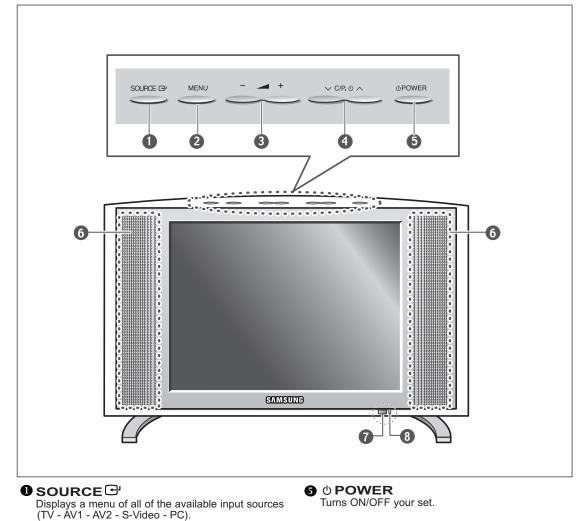


Important



Note

Viewing the Control Panel



You can also use the SOURCE(🗗) **6** SPEAKERS

7 REMOTE CONTROL SENSOR

OPOWER INDICATOR

Lights up when you turn the power off. (Red light shows in stand-by mode, Red shows when you turn the power on, and light is off after the power is on. Green shows when you set Timer on or off.)

Press to see an on-screen menu of your TV's

button on the TV's control panel to make selections.

❹ ∨ C/P. ७ ∧

►

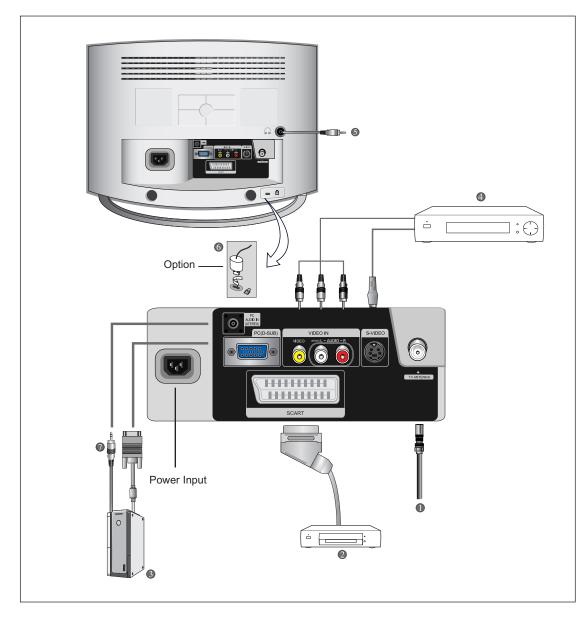
2MENU

features.

Moves the selector down or up on the OSD. Decreases or increases the channel number.

English-4

Viewing the Connection Panel



Whenever you connect an audio or video system to your set, ensure that all elements are switched off. Refer to the documentation supplied with your equipment for detailed connection instructions and associated safety precautions.

Viewing the Connection Panel

① Connecting an Aerial or Cable Television Network (depending on the model)

To view television channels correctly, a signal must be received by the set from one of the following sources:

- An outdoor aerial
- A cable television network
- A satellite network

2 Connecting a Set-Top Box, VCR or DVD

- Connect the VCR, or DVD SCART cable to the SCART connector of the VCR, or DVD.
- If you wish to connect both the Set-Top Box and VCR (or DVD), you should connect the Set-Top Box to the VCR (or DVD) and connect the VCR (or DVD) to your set.

3 Connecting a Computer

- Connect the 15 Pin D-SUB connector to the PC video connector.
- Connect the stereo audio cable to the "PC AUDIO IN (STEREO)" jack (🕢) on the rear of your set and the other end to the "Audio Out" jack of the sound card on your computer.

> 15 Pin D-SUB connector

Pin	Separate H/V	Composite H/V
1	Red (R)	Red (R)
2	Green (G)	Green (G)
3	Blue (B)	Blue (B)
4	Grounding	Grounding
5	Grounding (DDC return)	Grounding (DDC return)
6	Grounding - Red (R)	Grounding - Red (R)
7	Grounding - Green (G)	Grounding - Green (G)
8	Grounding - Blue (B)	Grounding - Blue (B)
9	No connection	No connection
10	Grounding - Sync. / Self test	Grounding - Sync. / Self test
11	Grounding	Grounding
12	DDC - SDA (Data)	DDC - SDA (Data)
13	Horizontal Sync.	Horizontal/Vertical Sync.
14	Vertical Sync.	Not used
15	DDC - SCL (Clock)	DDC - SCL (Clock)

Viewing the Connection Panel

Onnecting External A/V Devices

- Connect RCA or S-VIDEO cables to an appropriate external A/V device such as a VCR, DVD or Camcorder.
- Connect RCA audio cables to "(MONO)L-AUDIO-R" on the rear of your set and the other ends to corresponding audio out connectors on the A/V device.

5 Connecting Headphones

- Plug a set of headphones into the 3.5mm mini-jack socket on the right-side of the set. While the headphones are connected, the sound from the built-in speakers will be disabled.

6 Kensington Slot

- This television has been designed to apply a burglarproof lock. (See page 51)

Viewing Pictures From External Sources

2



Once you have connected up your various audio and video systems, you can view the different sources by selecting the appropriate input.

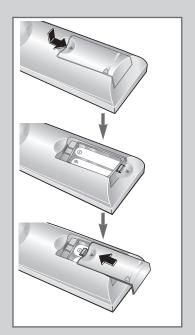
- 1 Check that all the necessary connections have been made (refer to pages **6** and **7** for further details).
 - Press the TV button to choose TV mode.
 - Press the SOURCE button to choose Video mode. The input sources are displayed in the following order: AV1 - AV2 - S-Video - PC.

Inserting the Batteries in the Remote Control

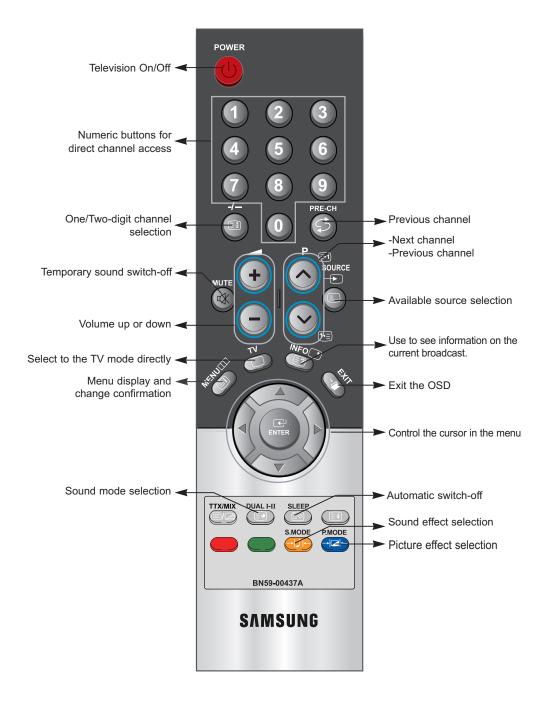
You must insert or replace the batteries in the remote control when you:

- Purchase your set
- Find that the remote control is no longer operating correctly
- 1 Remove the cover on the rear of the remote control by pressing the symbol downwards and then pulling firmly to remove it.
- 2 Install two **AAA** size batteries.
 - + on the battery against + on the remote control
 - on the battery against on the remote control
- **3** Replace the cover by aligning it with the base of the remote control and pressing it back into place.

Do not mix battery types, i.e. alkaline and manganese.



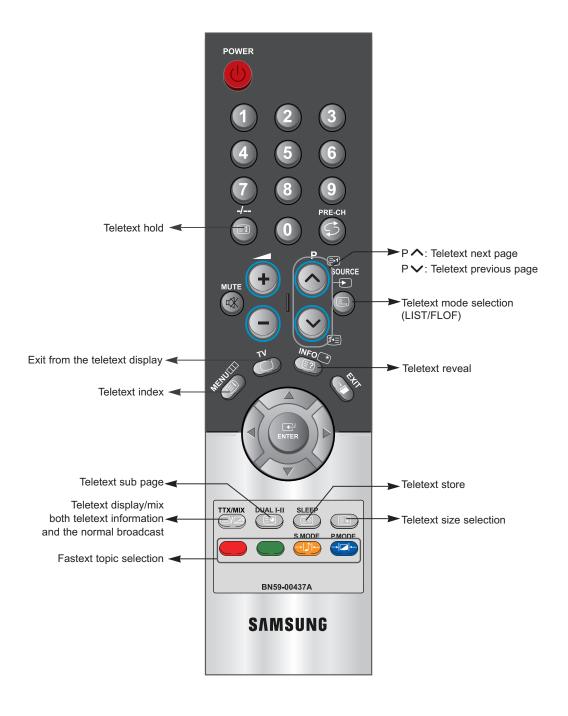
Viewing the Remote Control (All Functions Except Teletext)



The performance of the remote control may be affected by bright light.

English-10

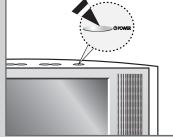
Viewing the Remote Control (Teletext Functions)



English-11

Switching On and Off



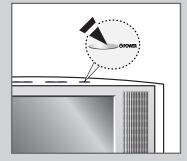


The mains lead is attached to the rear of your set.

- Plug the mains lead into an appropriate socket.
 <u>Result</u>: When the power cord is plugged in, the LED turns red.
- 2 Press the **OPOWER** button to switch on.
- 3 To switch off, press the **OPOWER** button again.

Placing in Standby Mode





Your set can be placed in Standby mode in order to reduce the power consumption.

The Standby mode can be useful when you wish to interrupt viewing temporarily (during a meal, for example).

- 1 Press the **OPOWER** button.
- 2 To switch back on, simply press the [⊕]**POWER** button again, a numeric button, or channel ∨ or ∧ button.
- Do not leave your set in Standby mode for long periods of time (when you are away on holiday, for example).
 Turn off by pressing the ^(b) POWER button.
 It is best to unplug the set from the mains and aerial.

Becoming Familiar with the Remote Control

The remote control is used mainly to:

- Change channels and adjust the volume
- Set up your set using the on-screen menu system

The following table presents the most frequently used buttons and their functions.

Button	Viewing Function	Menu Function
P ^	Used to display the next stored channel.	-
P V	Used to display the previous stored channel.	-
PRE-CH ©	Used to switch repeatedly bet displayed. (PRE-CH ; Previou	
0 - 0	Used to display the correspor	nding channels.
-/	Used to select a channel num Press this button, and the "" Enter the two-digit channel nu	symbol is displayed.
+	Used to increase the volume.	-
-	Used to decrease the volume.	-
MUTE K	Used to switch the sound off To turn the sound back or press the + or - bu	on, press this button again,
MENU	Used to display the on-screen menu system.	Used to return to the previous menu or normal viewing.
EXIT → I	Used to exit the menu system viewing.	and return directly to normal
	▲ ▼ Used to move amor	ng the menu items.
	Used to select a m the value of the sel	enu item or increase lected item.
	 Used to return to the the value of the selection 	e previous menu item or decrease ected item.



Plug & Play

Plug & Play



When the set is initially powered ON, you are automatically presented with a series of basic customer settings. The following settings are available.

- 1 If the set is in standby mode, press the **OPOWER** button on the remote control. Result: The message Plug & Play is displayed. It appears for a little while, and then the Language menu is automatically displayed. 2 Select the appropriate **Language** by pressing the \blacktriangle or \triangledown button. The available languages are listed. \succ You can choose one of 12 languages. 3 Press the ENTER I button to confirm your choice. Result: The message "Cheak antenna input." is displayed with OK selected. 4 Press the ENTER I button. Result: The following countries are available: Belgium - Germany - Spain - France - Italy -Netherlands - Switzerland - Sweden - United Kingdom - Eastern Europe - Others
- 5 Select your **Country** by pressing the ▲ or ▼ button. Press the **ENTER** ↔ button.
 - <u>Result</u>: The **Auto Store** menu is displayed.
- 6 Press the ENTER I button.
 - Result: The channel search will start and end automatically.
- 7 Select the Hour or Minute by pressing the ◀ or ► button. Set the Hour or Minute by pressing the ▲ or ▼ button. (Refer to "Setting the Clock" on page 30)
- 8 Press the **MENU** button to confirm your setting.
 - <u>Result</u>: The message "**Enjoy your viewing**" is displayed, and then the channel which has been stored will be activated.
- 9 Press the **EXIT** button to exit.

Plug & Play

If you want to reset this feature...

1	Press the MENU button.
	Result: The main menu is displayed.
2	Press the \blacktriangle or \blacktriangledown button to select the Setup .
	Result: The options available in the Setup group are displayed.
3	Press the ENTER I button.
4	Press the ▲ or ▼ button to select the Plug & Play . Press the ENTER ↔ button.
	Result: The message Plug & Play is displayed.

5 For further details on how to set up this feature, refer to the previous page.

TV				Setup
	Time Plug & Play Language Blue Screen PC	:	English Off)))))
Move	€ E	Enter	Ш] Return
TV				Setup
8	Time Plug & Play			•

🛃 Enter

III Return

Move

Selecting TV Mode or an Input Source

TV				Input
•••	Source Lis	st :	τv	•
	Edit Name			
X				
999				
Move		🛃 Enter		III Return
TV			S	ource List
TV	TV	_	S	ource List
	AV1		S	ource List
	AV1 AV2 S-Video		 	ource List
e	AV1 AV2			ource List
	AV1 AV2 S-Video		 	ource List

You can choose TV mode or change to an input source connected to the TV set. Use this button to choose an input source that you would like to watch.

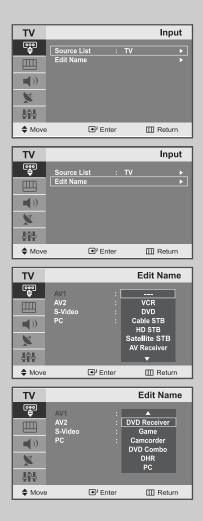
1	Press the MENU button.
	Result: The main menu is displayed.
2	Press the ENTER I button to select the Input.
	Result: The options available in the Input group are displayed.
3	Press the ENTER I button.
	Result: The Source List is selected.
4	Press the ▲ or ▼ button to move to the input source that you wish to choose. Press the ENTER
	Result: The input source changes to the one you have chosen.

Editing an Input Source Name

Entering the names of the input source devices connected to the input ports on the TV set allows you to find and choose an input source that you would like to watch in a quick and convenient manner.

1	Press the MENU button.
	Result: The main menu is displayed.
2	Press the ENTER Cer button to select the Input.
	Result: The options available in the Input group are displayed.
3	Press the \blacktriangle or \checkmark button to select the Edit Name . Press the ENTER $$ button.
4	Press the ▲ or ▼ button to move to the input source that you wish to edit. Press the ENTER I button.
	Result: The following options are available: AV1 - AV2 - S-Video - PC
5	Select the required device by pressing the \blacktriangle or \blacktriangledown repeatedly.
	Result: The following options are available: VCR - DVD - Cable STB - HD STB - Satellite STB - AV Receiver - DVD Receiver - Game - Camcorder - DVD Combo - DHR - PC.

6 When you are satisfied with your choice, press the **EXIT** button to return to normal viewing.



Choosing Your Language

TV		Setup
	Time Plug & Play Language : Blue Screen : PC	English Off >
Move	🛃 Enter	III Return
ту		Setup
	Time Plug & Play Language : Blue Screen : PC	> >
Move	🗲 Enter	III Return
TV ∰ ∰ ↓ ↓ ↓ ↓	Time Plug & Play Language : Blue Screen : PC	Setup English Français Italiano Deutsch Español Nederlands
	Plug & Play Language : Blue Screen :	Setup English Français Italiano Deutsch Español
Image: Constraint of the second se	Plug & Play Language : Blue Screen : PC	Setup English Français Italiano Deutsch Español Nederlands Teturn
	Plug & Play Language : Blue Screen : PC	Setup English Français Italiano Deutsch Español Nederlands

When you start using your set for the first time, you must select the language which will be used for displaying menus and indicators.

1	Press the MENU button.
	Result: The main menu is displayed.
2	Press the \blacktriangle or \blacktriangledown button to select the Setup .
	Result: The options available in the Setup group are displayed.
3	Press the ENTER I button.
4	Press the \blacktriangle or \lor button to select the Language . Press the ENTER \boxdot button.
5	Select a particular Language by pressing the ▲ or ▼ button repeatedly.
6	When you are satisfied with your choice, press the EXIT button to return to normal viewing.

Storing Channels Automatically

You can scan for the frequency ranges available to you (and availability depends on your country). Automatically allocated programme numbers may not correspond to actual or desired programme numbers. However you can sort numbers manually and clear any channels you do not wish to watch.

1	Press th	e MENU button.
	Result:	The main menu is displayed.
2	Press the	e ▲ or ▼ button to select the Channel .
	<u>Result</u> :	The options available in the Channel group are displayed.
3	Press the	e ENTER œ button.
4		e ▲ or ▼ button to select Auto Store . e ENTER ⊡ button.
	<u>Result</u> :	The Start is selected.
5		e ENTER œ button to search the channels. menu is changed from Start to Stop with channel tarted.
	<u>Result</u> :	The search will end automatically. Channels are sorted and stored in an order which reflects their position in the frequency range, (with lowest first and highest last). The programme originally selected is then displayed.
		stop the search before it has finished, press the ENTER Generation to search the channels.
6		e channels have been stored, you can: or delete the channels (refer to page 22)

- Sort them in the order required (refer to page 23)
- Assign a name to the stored channels (refer to page 24)

7 Press the **EXIT** button to exit.

TV		Channel
<u></u>	Country : Oth	ners 🕨
	Auto Store	
	Manual Store Add/Delete	> > >
	Sort	•
	Name	•
하는		
Move	🛃 Enter	III Return
ту		Channel
I V PP		
U	Country : Oth Auto Store	iers 🕨
	Manual Store	lers
	Add/Delete	•
	Sort	
	Name	•
999		
Move	🛃 Enter	III Return
	Auto Store	
	Auto Store	
P 1 C	·	40 MHz
		0 %
U U		0 /0
	Start	
	🛃 Enter	III Return
	Auto Store]
	Auto Store	
P 1 (c 3	214 MHz
		214 MHZ 20 %
	U	20 %
	Stop	
	Enter	III Return

Storing Channels Manually

TV		Cł	nannel
	Country	: Others	►
Ш	Auto Store Manual Store		
	Add/Delete		* * * *
	Sort		
	Name		► F
999			
Move	🗲 Ente	er 🖽	Return
TV		Ch	annel
	Country	: Others	
	Auto Store Manual Store		► T
	Add/Delete		•
	Sort Name		
	Name		
- î			
Move	🕑 Ente	er 🛄	Return
T)/		Manual	Store
TV			Store
	Prog.	: P 1	
	Colour System	: AUTO	
	Sound System	: BG	
	Channel Search	: C : 49 MHz	
	Store	: 49 MHz : ?	
Move	🛃 Ente	er 🎞	Return
ту		Manual	Store
	Brog		
	Prog. Colour System	: P 1	
	Colour System		
		: P 1 : AUTO	
	Colour System Sound System	: P 1 : AUTO : PAL	
	Colour System Sound System Channel	: P 1 : AUTO : PAL : SECAM	
	Colour System Sound System Channel Search	: P 1 : AUTO : PAL : SECAM : NTSC4.4 : ?	
Image: Constraint of the second se	Colour System Sound System Channel Search Store	: P 1 : AUTO : PAL : SECAM : NTSC4.4 : ?	I3 Return
© ■)) N Move TV	Colour System Sound System Channel Search Store	: P 1 : AUTO : PAL : SECAM : NTSC4.4 : ?	I3 Return
(∰) (∭) (↓)) (↓)) (↓)) (↓)) (↓)) (↓)) (↓))	Colour System Sound System Channel Search Store	: P 1 : AUTO : PAL : SECAM : NTSC4.4 : ?	Return Store
© ■)) N Move TV	Colour System Sound System Channel Search Store Ente	: P 1 : AUTO : PAL : SECAM : NTSC4.4 : ? m Manual	Return Store
Image: Constraint of the second se	Colour System Sound System Channel Search Store Colour System Sound System	: P 1 : AUTO : PAL : SECAM NTSC4.4 : ? Manual : P 1 : AUTO : BG	Return Store
₩ Wove TV	Colour System Sound System Channel Search Store Criter Enter Prog. Colour System Sound System Channel	: P 1 : AUTO PAL SECAM NTSC4.4 : ? Manual : P 1 : AUTO : BG : C	Return Store
Image: Constraint of the second se	Colour System Sound System Channel Search Store Colour System Colour System Channel Search	: P 1 : AUTO PAL SECAM NTSC4.4 : ? Manual : P 1 : AUTO : BG : C : 49 MHz	Return Store
Image: Constraint of the second se	Colour System Sound System Channel Search Store Criter Enter Prog. Colour System Sound System Channel	: P 1 : AUTO PAL SECAM NTSC4.4 : ? Manual : P 1 : AUTO : BG : C	Return Store
Image: Constraint of the second se	Colour System Sound System Channel Search Store Colour System Colour System Channel Search	: P 1 : AUTO : PAL SECAM NTSC4.4 : ? Manual : P 1 : AUTO : BG : C : 49 MHz : ?	Return Store
Image: Control of the second seco	Colour System Sound System Channel Search Store Prog. Colour System Sound System Channel Search Store	: P 1 : AUTO : PAL SECAM NTSC4.4 : ? Manual : P 1 : AUTO : BG : C : 49 MHz : ? ar []	Return
Image: Constraint of the second s	Colour System Sound System Channel Search Store Channel Sound System Channel Search Store Channel	: P 1 : AUTO : PAL SECAM NTSC4.4 : ? Manual : P 1 : AUTO : BG : C : 49 MHz : ?	Return
Image: Control of the second seco	Colour System Sound System Channel Search Store Prog. Colour System Colour System Colour System Channel Search Store Channel Store Channel Search	: P 1 : AUTO : PAL : SECAM : SECAM : ? m Manual : P 1 : AUTO : BG : C : 49 MHz : ? : P 1	Return
Image: Constraint of the second s	Colour System Sound System Channel Search Store Prog. Colour System Channel Search Store Channel Search Store Channel Search	 P 1 AUTO PAL SECAM NTSC4.4 ? Manual P 1 AUTO BG C 49 MHz ? manual P 1 AUTO E P 1 AUTO 	Return
Image: Constraint of the second s	Colour System Sound System Channel Search Store Colour System Sound System Store Channel Search Store Channel Search Store Channel Search Store Channel Search Store Channel Search	: P 1 : AUTO : PAL SECAM NTSC4.4 : ? Manual : P 1 : AUTO : BG : C : 49 MHz : ? Manual : P 1 : AUTO : P 1 : AUTO : BG : P 1 : AUTO : BG : P 1 : AUTO : BG	Return
Image: Constraint of the second s	Colour System Sound System Channel Search Store Colour System Sound System Search Search Channel Channel Channel Colour System Colour System Sound System Colour System	: P 1 : AUTO : PAL SECAM NTSC4.4 : ? Manual : P 1 : AUTO : BG : C : 49 MHz : ? Manual : P 1 : AUTO : BG : P 1 : AUTO : BG : P 1 : AUTO : R 1 : AUTO : BG : D 1 : AUTO	Return
Image: Control of the second seco	Colour System Sound System Channel Search Store Channel Colour System Channel Search Store Colour System Channel Sound System Colour System Colour System Colour System Channel Search	: P 1 : AUTO : PAL SECAM NTSC4.4 : ? Manual : P 1 : AUTO : BG : C : 49 MHz : ? Manual : P 1 : AUTO : P 1 : AUTO : BG : P 1 : AUTO : BG : P 1 : AUTO : BG	Return
Image: Control of the second seco	Colour System Sound System Channel Search Store Colour System Sound System Search Search Channel Channel Channel Colour System Colour System Sound System Colour System	: P 1 : AUTO : PAL SECAM NTSC4.4 : ? Manual : P 1 : AUTO : BG : C : 49 MHz : ? Manual : P 1 : AUTO : BG : DK : BG : L : BG	Return

You can store up to 100 channels, including those received via cable networks.

When storing channels manually, you can choose:

- Whether or not to store each of the channels found
- The programme number of each stored channel which you wish to identify
- 1 Press the **MENU** button.
 - <u>Result</u>: The main menu is displayed.
- **2** Press the \blacktriangle or \triangledown button to select the **Channel**.
 - <u>Result</u>: The options available in the **Channel** group are displayed.
- 3 Press the ENTER I button.
- 4 Press the ▲ or ▼ button to select the Manual Store. Press the ENTER ↔ button.
 - Result: The options available in the **Manual Store** group are displayed with the **Prog.** selected.
- 5 Press the ▲ or ▼ button to select Colour System. Press the ENTER button. Select the Colour System required by pressing the ▲ or ▼ button repeatedly and then press the ENTER button.
 - Result: The colour standards are displayed in the following order: AUTO - PAL - SECAM - NTSC4.43
- 6 Press the ▲ or ▼ button to select Sound System. Press the ENTER button. Select the Sound System required by pressing the ▲ or ▼ button repeatedly and then press the ENTER button.
 - Result: The sound standards are displayed in the following order: BG - DK - I - L
- For all the channels to move to the required channel numbers, repeat steps 5 to 6 after selecting Prog. by pressing the ▲ or ▼ button.

Storing Channels Manually

- 8 If you know the channel number to be stored,
 - Press the ▲ or ▼ button to select the Channel.
 Press the ENTER button.
 - Select C (Air channel) or S (Cable channel) by pressing the
 ▲ or ▼ button and then press the ENTER ↔ button.
 - Select the required number by pressing the ▲ or ▼ button and then press the ENTER button.
 - If there is normal sound or no sound, re-select the sound system required.
- 9 If you do not know the channel numbers, press the ▲ or ▼ button to select Search.
 Press the ENTER button.
 Start the Search by pressing the ▲ or ▼ button.

Press the ENTER I button.

- <u>Result</u>: The tuner scans the frequency range until the first channel or the channel that you selected is received on your screen.
- Press the ▲ or ▼ button to select Store. Press the ENTER button. The OK is selected.
 - <u>Result</u>: The channel and associated programme number are stored.
- 11 Repeat Steps 8 to 10 for each channel to be stored.
- 12 Press the EXIT button to exit.

TV			Manual Store
0 <u>00</u>	Prog.		P 1
Щ	- Colour System		AUTO 🕨
	Sound System		BG 🕨
	Channel		C
X	Search		49 MHz
4 94	Store		
Move	🛃 En	ter	III Return
TV			Manual Store
	Prog.		
Ш	Colour System		AUTO 🕨
	Sound System		BG ►
	Channel		
X	Search	:	49 MHz
494	Store		
Move	🛃 En	ter	III Return
TV			Manual Store
	Prog.		
Щ	Colour System		AUTO 🕨
	Sound System		BG 🕨
- <i>n</i>	Channel		
X	Search		49 MHz
IO.	Store		?

🛃 Enter

III Return

Move

Editing the Channels



You can exclude any channels of your choice from the channels you have scanned. When you scan through the stored channels, those you have chosen to skip are not displayed.

All channels that you do not specifically choose to skip are displayed during scanning.

- Press the **MENU** button. 1 Result: The main menu is displayed. 2 Press the \blacktriangle or \checkmark button to select the **Channel**. Result: The options available in the **Channel** group are displayed. 3 Press the **ENTER** I button. Press the \blacktriangle or \blacktriangledown button to select **Add/Delete**. 4 Press the ENTER I button. Result: The state of the current channel is displayed. 5 Press the \land or \checkmark button to select the channel that you wish to Add or Delete. If the channel that you wish to edit is not in memory, Result: Add is selected and displayed. Otherwise, if the channel that you wish to edit is in memory, Delete is selected and displayed. 6 Press the ENTER I button to Add or Delete the channel. 7 Repeat Step 5 for each channel to be added or erased.
 - 8 Press the **EXIT** button to exit.

Sorting the Stored Channels

You can exchange the numbers of two channels, in order to:

- Modify the numeric order in which the channels have been automatically stored.
- Assign easily remembered numbers to the channels that you watch most often.
- 1 Press the **MENU** button.
 - Result: The main menu is displayed.
- Press the ▲ or ▼ button to select the Channel.
 Result: The options available in the Channel group are displayed.
- **3** Press the **ENTER** \bigcirc button.
- 4 Press the ▲ or ▼ button to select **Sort**. Press the **ENTER** ↔ button.
 - <u>Result</u>: The current **Prog.**, **Channel** and **Name** are displayed.
- 5 Select the channel number that you wish to change by pressing the ▲ or ▼ button repeatedly.
 Press the ENTER button.
 - <u>Result</u>: The selected **Channel** and **Name** are moved to the right side.
- **6** Press the \blacktriangle or \blacktriangledown button to move to the position which you would like to change and then press the **ENTER** \boxdot button.
 - <u>Result</u>: The selected channel is exchanged with the one previously stored to the chosen number.
- 7 Repeat step **5** to **6** for another channel to sort again.
- 8 Press the **EXIT** button to exit.

	Country Auto Store Manual St Add/Delet Sort Name	ore	Others	× × × ×
■	Auto Store Manual St Add/Delete Sort	e ore		
	Add/Delet Sort)
	Sort	e 		
× tit				
-	nume			
Move				
		🛃 Enter		III Return
TV				Channel
	Country		Others	
	Auto Store		Others	
	Manual St			
	Add/Delet			
• • •	Sort			> >
X	Name			•
하는				
Move		Enter		III Return
TV				Sort
0 <u>00</u>	Prog.	Channel	Name	
rin .			٨	
		C2		
	2	C4		
	2 3 4 5	C		
× –	4	C		
494	5	C	~	
Move		🛃 Enter		III Return
TV				Sort
	Prog.	Channel	Name	
			۸	
		-		▲ C2
	2 3 4 5	C4 C		
N-1	3	С С		
×	5	C		
상다			∇	
Move		🛃 Enter		III Return

Giving Channels Names

TV		Channel
	Country Auto Store Manual Store Add/Delete Sort Name	: Others
Move	Ente	er 🔟 Return
ту		Channel
	Country Auto Store Manual Store Add/Delete Sort Name	: Others
Move	🛃 Ente	er 🔟 Return
TV		Name
TV ∰ ↓)) ★	Prog. Channo △ 1 C2 2 C4 3 C 4 C 5 C ▽	
	△ 1 C2 2 C4 3 C 4 C 5 C	el Name
Image: Second	△ 1 C2 2 C4 3 C 4 C 5 C ▽	el Name
	△ 1 C2 2 C4 3 C 4 C 5 C ▽	el Name

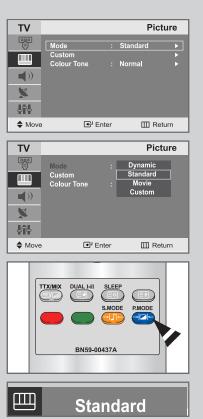
If channel name information is broadcast when you store the channels either manually or automatically, the names are assigned to the channels directly. You can however change these names or assign new names as required.

1	Press the MENU button.		
	Result: The main menu is displayed.		
2	Press the \blacktriangle or \triangledown button to select the Channel .		
	Result: The options available in the	e Channel group are displayed.	
3	Press the ENTER I button.		
4	Press the \blacktriangle or \blacktriangledown button to select the Name . Press the ENTER \boxdot button.		
	Result: The current Prog., Chann	el and Name are displayed.	
5	If necessary, select the channel to be assigned to a new Name by pressing the ▲ or ▼ button. Press the ENTER G button.		
	Result: The selection bar is displa	yed around the name box.	
6	То	Then	
	Select a letter, number or symbol	Press the \blacktriangle or \blacktriangledown button	
	Move on to the next letter	Press the ► button	
	Move back to the previous letter	Press the ◀ button	
	Confirm the name	Press the ENTER & button	
	 The characters available are : Letters of the alphabet (A~Z) Numbers (0~9) Special characters (space,))	
7	Repeat Steps 5 to 6 for each channe new name.	el to be assigned to a	
8	When you have finished entering the press the ENTER G button to conf		

Changing the Picture Standard

You can select the type of picture which best corresponds to your viewing requirements.

1	Press the MENU button.
	Result: The main menu is displayed.
2	Press the \blacktriangle or \blacktriangledown button to select the Picture .
	<u>Result</u> : The options available in the Picture group are displayed.
3	Press the ENTER I button.
	Result: The Mode is selected.
4	Press the ENTER I button.
5	Select the required picture effect by pressing the ▲ or ▼ button repeatedly. Press the ENTER œ button.
	Result: The following picture effects are available: Dynamic - Standard - Movie - Custom
6	Press the EXIT button to exit.
≻	You can also set these options simply by pressing the P.MODE (Picture Mode) button.



Adjusting the Custom Picture

TV			Pic	ture
- <u>-</u>	Mode	: S	tandard	►
	Custom Colour Tone	: N	ormal	
×				
999				
Move	£١	Enter	III Re	turn
TV			Pic	ture
	Mode	: St	andard	•
	Custom Colour Tone	: N	ormal	
898				
Move	e e	Inter	III Re	turn
ТV			Cus	tom
			ous	
	Contrast			90
	Brightness Sharpness			50 50
	Colour		U	50 50
			ŭ	
949				
Move	E i	Enter	III Re	turn
Cont	rast			90

Your set has several settings which allow you to control picture quality.

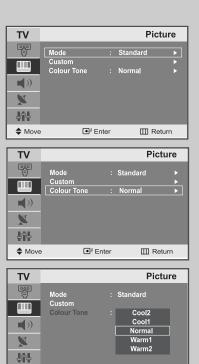
1	Press the MENU button.
	Result: The main menu is displayed.
2	Press the \blacktriangle or \blacktriangledown button to select the Picture .
	Result: The options available in the Picture group are displayed.
3	Press the ENTER G button.
4	Press the \blacktriangle or \checkmark button to select the Custom . Press the ENTER \textcircled{H} button.
5	Select the option (Contrast , Brightness , Sharpness , Colour or Tint-NTSC only) to be adjusted by pressing the ▲ or ▼button. Press the ENTER ⊕ button.
	Result: The horizontal bar is displayed.
6	Press the \blacktriangleleft or \blacktriangleright button to reach the required setting.
7	When you are satisfied with the setting, press the MENU button to return to the previous menu or press the EXIT button to return to normal viewing.
≻	If you make any changes to these settings, the picture standard is automatically switched to Custom .

Adjusting the Screen Background Colour

You can change the screen background colour according to your preference.

1	Press the MENU button.
	Result: The main menu is displayed.
2	Press the \blacktriangle or \blacktriangledown button to select the Picture .
	Result: The options available in the Picture group are displayed.
3	Press the ENTER e button.
4	Press the ▲ or ▼ button to select the Colour Tone . Press the ENTER
	Result: The following options are available: Cool 2 - Cool 1 - Normal - Warm 1 - Warm 2

5 When you are satisfied with your choice, press the **EXIT** button to return to normal viewing.



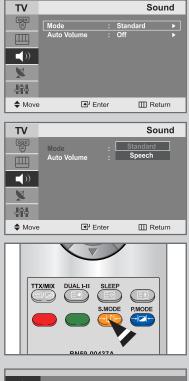
🛃 Enter

III Return

E

Move

Changing the Sound Standard



↓)) Standard

You can select the type of special sound effect to be used when watching a given broadcast.

1	Press the MENU button.
	Result: The main menu is displayed.
2	Press the \blacktriangle or \blacktriangledown button to select the Sound .
	Result: The options available in the Sound group are displayed.
3	Press the ENTER I button.
	Result: The Mode is selected.
4	Press the ENTER I button.
5	Select the required sound effect by pressing the ▲ or ▼ button repeatedly. Press the ENTER
	Result: The following sound effects are available: Standard - Speech
6	Press the EXIT button to exit.
	You can also set these options simply by pressing the S.MODE (Sound Mode) button.

English-28

Selecting Auto Volume Control

Reduces the differences in volume level between broadcasters.

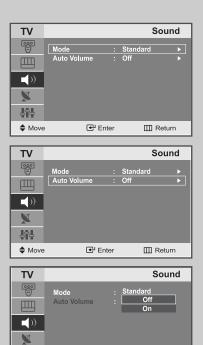
1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the ▲ or ▼ button to select the **Sound**.

<u>Result</u>: The options available in the **Sound** group are displayed.

- 3 Press the ENTER 🕑 button.
- 4 Press the ▲ or ▼ button to select **Auto Volume**. Press the **ENTER** → button.
- 6 Press the **EXIT** button to exit.



🛃 Enter

III Return

494

Move

Setting the Clock

TV				Setup
0 <u>0</u> 0	Time			•
	Plug & Play Language		English	>
	Blue Screen		Off	
	PC			•
Move	E	¹ Enter] Return
				-
TV				Time
<u></u>	Clock			•
	Sleep Timer On Timer	:	Off	off ►
	Off Timer			Off ►
Į1				
Move	E	^I Enter	Ш] Return
TV				Clock
TV	Hour	Minut	te	Clock
	Hour 12	Minut		Clock
	^			Clock
	^			Clock
	^			Clock
	12			Clock
	12	00		
	12	00		
Image: Second s	↑ 12 ♦ A	00 kdjust 12] Return
	Clock Sleep Timer	00 .djust] Return Time
	↑ 12 ♦ A	00 kdjust 12] Return
Image: Second	↑ 12 ↓ Clock Sleep Timer On Timer	00 kdjust 12] Return Time
Image: Second	↑ 12 ↓ Clock Sleep Timer On Timer	00 kdjust 12] Return Time

🛃 Enter

III Return

Move

1	Press the MENU button.
	Result: The main menu is displayed.
2	Press the ▲ or ▼ button to select Setup .
	Result: The options available in the Setup group are displayed.
3	Press the ENTER to button.
4	Press the ENTER I button.
	Result: The Clock is selected.
5	Press the ENTER ↔ button. Press the ▲ or ▼ button to set the Hour .
6	Press the ◀ or ► button to move to Minute . Press the ▲ or ▼ button to set the minutes.
7	Press the ENTER I button.
	Result: The clock is set.
8	Press the EXIT button to exit.
≻	You can also set the time using the numeric buttons on the remote.

Switching Off Automatically

You can select a time period of between Off and 180 minutes after which your set automatically switches off.

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the \blacktriangle or \triangledown button to select **Setup**.

<u>Result</u>: The options available in the **Setup** group are displayed.

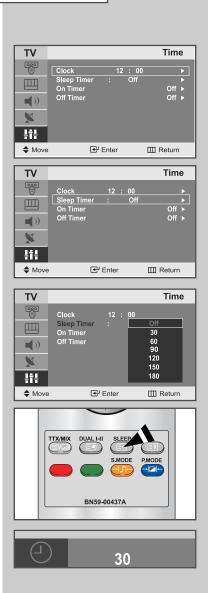
- 3 Press the ENTER I button.
- 4 Press the ENTER I button.

Result: The preset Clock is selected.

- 5 Press the \blacktriangle or \checkmark button to select the **Sleep Timer**. Press the **ENTER** button.
- 6 Select the number of minutes after which your set switches **On** by pressing the ▲ or ▼ button repeatedly.
 - <u>Result</u>: The preset time intervals: Off, 30, 60, 90, 120, 150, 180 minutes.
- 7 Press the **EXIT** button to exit.
- You can also select this feature by simply pressing the "SLEEP" button.

If the sleep timer is already set, the screen displays the remaining time and then your set will be switched **Off**.

- If the sleep timer is not yet set, **Off** is displayed.
- ◆ Off 30 60 90 120 150 180 Off



Switching the Television On and Off Automatically

TV		Setup
		Jetup
	Time Plug & Play	► ►
	Language : Eng	lish ►
	Blue Screen : Off PC	► ►
×		
- ĮŤĘ		
Move	Enter	III Return
TV		Time
	Clock 12 : 0	0
	Sleep Timer : Off On Timer	•
	On Timer Off Timer	Off ► Off ►
<u>×</u>		
<u>łił</u>		
Move	Enter	III Return
ту		Time
ा V ्रक्ष		
	Clock 12 : 0 Sleep Timer : Off	
	On Timer	Off ►
	Off Timer	Off ►
X		
- łi ł		
Move	🕑 Enter	III Return
TV		On Timer
TV	Hour Minute	On Timer
	Hour Minute	On Timer
	0000 ▼	On Timer
	Channel Volume	Setup
	0000 ▼	
	Channel Volume	Setup Off
	Channel Volume	Setup
	Channel Volume	Setup Off
Image: Constraint of the second se	00 00 Channel Volume 1 10 ♦ Adjust	Setup Off I Return Time
()) ↓)) ↓ Move TV	00 00 Channel Volume 1 10 ♦ Adjust Clock 12 : 0 Sleep Timer : Off	Setup Off III Return Time
Image: Second	00 00 Channel Volume 1 10 Adjust Clock 12 : 0 Sleep Timer : Off On Timer	Setup Off III Returm Time III * *
₩ ₩ ₩ Wove	00 00 Channel Volume 1 10 ♦ Adjust Clock 12 : 0 Sleep Timer : Off	Setup Off III Return Time
Image: Second	00 00 Channel Volume 1 10 Adjust Clock 12 : 0 Sleep Timer : Off On Timer	Setup Off III Returm Time III * *
Image: Second	00 00 Channel Volume 1 10 Adjust Clock 12 : 0 Sleep Timer : Off On Timer	Setup Off III Returm Time III * *
Image: Second	00 00 Channel Volume 1 10 Adjust Clock 12 : 0 Sleep Timer : Off On Timer	Setup Off III Returm Time III * *
Image: Second secon	00 00 Channel Volume 1 10 Adjust Clock 12 : 0 Sleep Timer : Off On Timer Off Timer	Setup Off III Return Time Off > Off > Off >
Image: Second secon	00 00 Channel Volume 1 10 Adjust Clock 12 : 0 Sleep Timer : Off On Timer Off Timer	Setup Off Return Time Off > Off > Off > Off Timer
Image: Second secon	00 00 Channel Volume 1 10 Adjust Clock 12 : 0 Sleep Timer Off Timer Off Timer Cff Timer	Setup Off Return Time Time Off > Off > Off > Off > Off Setup
Image: Second secon	00 00 Channel Volume 1 10 Adjust Clock 12 : 0 Sleep Timer : Off On Timer Off Timer	Setup Off Return Time Time Off > Off > Off > Off > Off Setup
Image: Second secon	00 00 Channel Volume 1 10 Adjust Clock 12 : 0 Sleep Timer Off Timer Off Timer Cff Timer	Setup Off Return Time Time Off > Off > Off > Off > Off Setup
Image: Second secon	00 00 Channel Volume 1 10 Adjust Clock 12 : 0 Sleep Timer Off Timer Off Timer Cff Timer	Setup Off Return Time Time Off > Off > Off > Off > Off Setup
Image: Second secon	00 00 Channel Volume 1 10 Adjust Clock 12 : 0 Sleep Timer Off Timer Off Timer Cff Timer	Setup Off Return Time Time Off > Off > Off > Off > Off Setup
Image: Second secon	00 00 Channel Volume 1 10 Adjust Clock 12 : 0 Sleep Timer Off Timer Off Timer Cff Timer	Setup Off Return Time Time Off > Off > Off > Off > Off Setup

You can set the On/Off timers so that the set will:

- Switch on automatically and tune to the channel of your choice at the time you select.
- Switch off automatically at the time you select.
- Press the **MENU** button. 1 The main menu is displayed. Result: 2 Press the \blacktriangle or \triangledown button to select **Setup**. The options available in the **Setup** group are displayed. Result: 3 Press the ENTER I button. 4 Press the ENTER & button. The **Time** menu are displayed with **Clock** selected. Result: 5 Press the \blacktriangle or \triangledown button to select the **On Timer**. Press the **ENTER** I button. Result: The On Timer menu is displayed. Press the ... То...

Move to Hour, Minute, Channel and Volume	✓ or ► button
Set Hour, Minute, Channel and Volume level	▲ or ▼ button
Nove to Setup	✓ or ► button
Select On to enable above setting	▲ or ▼ button

6 Press the MENU botton to return to the previous menu and to set Off Timer continuously.
 Press the ▲ or ▼ button to select Off Timer.

In the same way, set the time at which you wish the set to be switched off automatically.

7 Press the **EXIT** button to exit.

Setting the Blue Screen Mode

If no signal is being received or the signal is very weak, a blue screen automatically replaces the noisy picture background. If you wish to continue viewing the poor picture, you must set the "Blue Screen" mode to "Off".

1	Press the MENU button.
	Result: The main menu is displayed.
2	Press the \blacktriangle or \blacktriangledown button to select Setup .
	Result: The options available in the Setup group are displayed.
3	Press the ENTER I button.
4	Press the \blacktriangle or \lor button to select Blue Screen . Press the ENTER \boxdot button.
5	Select the required option (On or Off) by pressing the ▲ or ▼ button.
6	Press the EXIT button to return to normal viewing.

TV		Setup
	Time	•
	Plug & Play Language :	► English ► Off ►
())	Blue Screen :	Off ►
X	10	
414		
Move	Enter	III Return
TV		Setup
	Time Plug & Play	•
	Language : Blue Screen :	►nglish ►
	PC	•
łił		
Move	e 🛃 Enter	III Return
T 1		0 s faur
TV		Setup
<u></u>	Time	
	Plug & Play Language :	English
()	Blue Screen PC	Off On

♣ Move

Displaying Information

You can view the setting status of the selected source by pressing the "INFO" button on the remote control.

The information displayed varies according to the selected source.



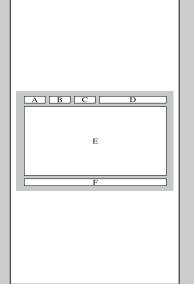
🛃 Enter

III Return



English-33

Teletext Feature



Most television channels provide written information services via teletext.

- Information provided includes:
 - Television programme times
 - News bulletins and weather forecasts
 - Sports results
 - Travel information

This information is divided into numbered pages (see diagram).

Part	Contents
А	Selected page number.
В	Broadcasting channel identity.
С	Current page number or search indicators.
D	Date and time.
Е	Text.
F	Status information. FASTEXT information.

Teletext information is often divided between several pages displayed in sequence, which can be accessed by:

- Entering the page number
- Selecting a title in a list
- Selecting a coloured heading (FASTEXT system)

Displaying the Teletext Information

You can display Teletext information at any time on your set.

For Teletext information to be displayed correctly, channel reception must be stable; otherwise:

- Information may be missing
- Some pages may not be displayed
- 1 Select the channel providing the Teletext service using the ∧ or ∨ button.
- 2 Press the **TTX/MIX** button to activate the teletext mode.
 - Result: The contents page is displayed. It can be redisplayed at any time by pressing the [] (index) button.
- **3** If you wish to display the actual broadcast at the same time as the teletext page, press the **TTX/MIX** button again.
- 4 Press the **TV**(**)** button again to exit the teletext display.



Selecting a Page by Number



You can enter the page number directly by pressing the numeric buttons on the remote control.

- 1 Enter the three-digit page number given in the content by pressing the corresponding numeric buttons.
 - <u>Result</u>: The current page counter is incremented and the page is then displayed.
- If the selected page is linked with several secondary pages, the secondary pages are displayed in sequence. To freeze the display on a given page, press the EI (hold) button. Press the EI (hold) button again to resume.

Using the various display options:

To display	Press the
 Hidden text (answers to quiz games, for example) 	E? (reveal)
 The normal screen 	E? (reveal) again
 A secondary page, by entering its 4-digit number 	(subpage)
◆ The next page	
 The previous page 	📧 (page down)
 Double-size letters in the: Upper half of the screen Lower half of the screen 	E€ (size) • Once • Twice
 Normal screen 	Three times

Using FLOF to Select a Page

The various topics included in the teletext pages are colour-coded, and can be selected by pressing the coloured buttons on the remote control.

- 1 Display the teletext contents page by pressing the **TTX/MIX** button.
- **2** Press the coloured button corresponding to the topic that you wish to select; the available topics are given on the status line.
 - <u>Result</u>: The page is displayed with other coloured information that can be selected in the same way.
- **3** To display the previous or next page, press the corresponding coloured button.
- **4** To display the subpage, see the following steps.
 - Press the
 (subpage) button.

Result: The available subpages appear.

 ♦ Select the required subpage. Subpages can be scrolled by using the or button.

Storing Teletext Pages

You can store up to four teletext pages to display them later at leisure.

1 Select the LIST mode using the E. (LIST/FLOF) button.

<u>Result</u>: Four 3-digit numbers are displayed in different colours.

The E. (LIST/FLOF) button is used to switch between the LIST and FLOF modes.

- **2** Press the coloured button corresponding to the page that will be replaced.
- 3 Enter the new page number using the numeric buttons.
- 4 Repeat steps **2** and **3** for each page to be stored, using a different coloured button each time.
- **5** Press the 🖾 (store) button until the corresponding blocks blink.





English-37

Setting Up Your PC Software (Based on Windows XP)

The Windows display-settings for a typical computer are shown below. The actual screens on your PC will probably be different, depending upon your particular version of Windows and your particular video card. However, even if your actual screens look different, the same basic set-up information will apply in almost all cases. (If not, contact your computer manufacturer or Samsung Dealer.)

1 First, click on "Control Panel" on the Windows start menu.

- 2 When the control panel window appears, click on "Appearance and Themes" and a display dialog-box will appear.
- 3 When the control panel window appears, click on "Display" and a display dialog-box will appear.

4 Navigate to the "**Settings**" tab on the display dialog-box.

The correct size setting (resolution)

- 1024 x 768 pixels

If a vertical-frequency option exists on your display settings dialog box, the correct value is "**60**" or "**60 Hz**". Otherwise, just click "**OK**" and exit the dialog box.



My Documents

My Recent Do

My Pictures

📄 My Music

My Network Places

Internet

E-mail Netscape

MSN Explore

D



Coarse and Fine Tuning of the Image

Preset to PC mode by pressing the SOURCE button on the remote contol.

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the \blacktriangle or \triangledown button to select **Setup**.

<u>Result</u>: The options available in the **Setup** group are displayed.

- 3 Press the ENTER button.

<u>Result</u>: The options available in the **PC** menu are displayed.

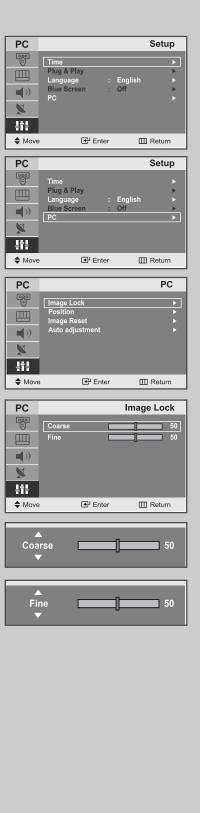
5 Press the ENTER I button.

Result: The Image Lock menu is selected.

6 Press the ▲ or ▼ button to select **Coarse** or **Fine**. Press the **ENTER** 🕑 button.

Result: The horizontal bar is displayed.

- 7 Press the ◀ or ► button to adjust the screen quality. Vertical stripes may appear or the picture may become blurry.
- 8 When you are satisfied with the settings, press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.



English-39

Changing the Image Position

PC		Setup
	Time	
	Plug & Play	•
	Language : En Blue Screen : Off	
	PC	
ļîł		
Move	Enter	III Return
PC		Setup
PO PP		octup
	Time Plug & Play	► ►
Ш	Language : En	
	Blue Screen : Off PC	
X		
łił		
Move	🕑 Enter	III Return
PC		PC
<u> </u>	Image Lock	•
Ш	Position Image Reset	• • • • •
	Auto adjustment	
())	Auto adjustment	
	Auto adjustment	
Image: A model in the second seco	Auto adjustment 군 Enter	►
X III ♦ Move		
Move		Return Position
X III ♦ Move		
Move		
Move	C ² Enter	
Move		
Move	C ² Enter	

 \blacktriangleright Preset to PC mode by pressing the **SOURCE** button on the remote contol .

1	Press the MENU button.
	Result: The main menu is displayed.
2	Press the ▲ or ▼ button to select Setup .
	Result: The options available in the Setup group are displayed.
3	Press the ENTER I button.
4	Press the ▲ or ▼ button to select PC . Press the ENTER [•] button.
	Result: The options available in the PC menu are displayed.
5	Press the ▲ or ▼ button to select Position . Press the ENTER ⊡ button.
	Result: You can adjust the image Position .
6	Press the ▲ or ▼ button to adjust the vertical position. Press the ◀ or ► button to adjust the horizontal position.
7	Press the MENU button to return to the previous menu or press the EXIT button to return to normal viewing.

Initializing the Image Settings

Preset to PC mode by pressing the SOURCE button on the remote contol.

You can replace all image settings with the factory default values.

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the \blacktriangle or \checkmark button to select **Setup**.

<u>Result</u>: The options available in the **Setup** group are displayed.

- 3 Press the ENTER 🕑 button.
- 4 Press the ▲ or ▼ button to select PC. Press the ENTER ↔ button.
 - <u>Result</u>: The options available in the **PC** menu are displayed.
- 5 Press the ▲ or ▼ button to select **Image Reset**. Press the **ENTER** [•] button.
 - Result: The message "Image Reset has completed." is displayed.
- 6 Press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

PC			Setup	
	Time Plug & Play Language : Blue Screen : PC	English Off	> > > >	
Move	🗲 Enter		Return	
PC			Setup	
Image: Control of the second seco	Time Plug & Play Language : Blue Screen : PC	English Off	> > >	
Move	🗲 Enter	Ш	Return	
PC			PC	
	Image Lock Position Image Reset Auto adjustment		> > >	
Move	🚭 Enter		Return	
Image Reset has completed.				

Adjusting the PC Screen Automatically

PC		Setup
	Time Plug & Play Language : Blue Screen : PC	► English ► Off ►
Move	🕒 Enter	III Return
PC		Setup
	Time Plug & Play Language : Blue Screen : PC	English > Off >
Move	Enter	III Return
PC ◎ ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	Image Lock Position Image Reset Auto adjustment	PC
Move	e 🛃 Enter	III Return

Auto adjustment

> Preset to PC mode by pressing the SOURCE button on the remote contol.

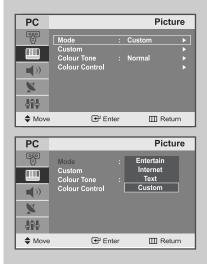
- 1 Press the **MENU** button.
 - Result: The main menu is displayed.
- Press the ▲ or ▼ button to select Setup.
 <u>Result</u>: The options available in the Setup group are displayed.
- 3 Press the ENTER I button.
- - Result: The options available in the **PC** menu are displayed.
- 5 Press the ▲ or ▼ button to select **Auto adjustment**. Press the **ENTER** [•] button.
 - Result: The screen quality and position are automatically adjusted, and the screen returns to the original view a few seconds later.
- 6 Press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

Picture Mode

You can select the type of picture which best corresponds to your viewing requirements.

1	Press the MENU button.			
	Result: The main menu is displayed.			
2	Press the \blacktriangle or \blacktriangledown button to select the Picture .			
	$\underline{\textit{Result}}: \text{The options available in the } \textbf{Picture} \text{ group are displayed}.$			
3	Press the ENTER I button.			
	Result: The Mode is selected.			
4	Press the ENTER to button.			
5	Select the required picture effect by pressing the \blacktriangle or \checkmark button			

- Select the required picture effect by pressing the \blacktriangle or \blacktriangledown button repeatedly. Press the ENTER I button.
 - The following picture effects are available: Result: Entertain - Internet - Text - Custom
- 6 Press the **EXIT** button to exit.



Adjusting the Custom Picture

Your set has several settings which allow you to control picture quality.

- 1 Press the MENU button. Result: The main menu is displayed. 2 Press the \blacktriangle or \checkmark button to select the **Picture**. The options available in the **Picture** group are displayed. Result: 3 Press the ENTER I button. 4 Press the \blacktriangle or \triangledown button to select the **Custom**. Press the ENTER I button. 5 Select the option (Contrast, Brightness) to be adjusted by pressing the \blacktriangle or \triangledown button. Press the ENTER I button. Result: The horizontal bar is displayed. 6 Press the \blacktriangleleft or \blacktriangleright button to reach the required setting. 7 When you are satisfied with the setting, press the **MENU** button to return to the previous menu or press the EXIT button to return to
 - If you make any changes to these settings, the picture standard is automatically switched to Custom.

PC			Pic	ture
	Mode		Custom	►
	Custom			•
	Colour Tone Colour Control		Normal	•
사다				
Move	🛃 En	ter	III Re	turn
PC		_	Pict	ture
0 <u>00</u>	Mode		Custom	►
	Custom Colour Tone		Normal	
	Colour Control			
사				
Move	🕑 En		III Re	4
▼ Wove		lei	ШКе	lum
PC		_	Cus	tom
	Contrast Brightness			90
	Digititess		U	
414				
Move	🛃 En	ter	III Re	turn
Contr	act			90
				- 30



normal viewing.

Adjusting the Screen Background Colour

PC		Picture
	Mode : Custom Colour Tone : Colour Control	Custom
Move	🗲 Enter	III Return
PC		Picture
	Mode : Custom Colour Tone : Colour Control	Custom Normal
Move	🛃 Enter	III Return
PC		Picture
	Mode : Custom Colour Tone : Colour Control	Custom Cool Normal Warm Custom
Move	🗲 Enter	III Return

You can change the screen background colour according to your preference.

1	Press the N	IENU button.
	<u>Result</u> : T	he main menu is displayed.
2	Press the	or ▼ button to select the Picture .
	<u>Result</u> : T	he options available in the Picture group are displayed.
3	Press the E	ENTER I button.
4		or ▼ button to select the Colour Tone . ENTER
		he following options are available: Cool - Normal - Warm - Custorm

5 When you are satisfied with your choice, press the **EXIT** button to return to normal viewing.

Customizing the Colour

1 Press the **MENU** button.

Result: The main menu is displayed.

- Press the ▲ or ▼ button to select the Picture.
 <u>Result</u>: The options available in the Picture group are displayed.
- 3 Press the ENTER button.
- 4 Press the ▲ or ▼ button to select the Colour Control. Press the ENTER ⊕ button.
- Select the option (Red, Green, Blue) to be adjusted by pressing the ▲ or ▼button.
 Press the ENTER button.

Result: The horizontal bar is displayed.

- 6 Press the \triangleleft or \blacktriangleright button to reach the required setting.
- 7 When you are satisfied with the setting, press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

PC			Pic	ture
- <u>-</u>	Mode	:	Custom	►
	Custom Colour Tone		Normal	
())	Colour Control			
X				
상다				
Move	🛃 Er	iter	III R	eturn
PC			Pic	ture
	Mode		Custom	►
	Custom Colour Tone		Normal	
	Colour Control			

 Red
 50

 Green
 50

 Blue
 50

 ★ Move
 C Inter

🚭 Enter

III Return

Colour Control

696

PC

Move

A Red ▼	50	

Troubleshooting: Before Contacting Service Personnel

Before contacting Samsung after-sales service, perform the following simple checks.

If you cannot solve the problem using the instructions below, note the model and serial number of your set and contact your local dealer.

No sound or picture.	 Check that the mains lead has been connected to a wall socket Check that you have pressed the ()POWER button. Check the picture contrast and brightness settings. Check the volume. 				
Normal picture but no sound.	Check the volume				
	 ♦ Check the volume. ♦ Check whether the MUTE I button has been pressed on the remote control. 				
No picture or black and white picture.	 Adjust the colour settings. Check that the broadcast system selected is correct. 				
Sound and picture interference.	Try to identify the electrical appliance that is affecting the set and move it further away. Plug your set into a different mains socket.				
Blurred or snowy picture, distorted sound.	 Check the direction, location and connections of your aerial. This interference is often due to the use of an indoor aerial. 				
Remote control malfunctions.	 Replace the remote control batteries. Clean the upper edge of the remote control (transmission window). Check the battery terminals. 				
"Check signal cable" message	 Check that the signal cable is firmly connected to the PC. Check that the PC is turned on. 				
In PC mode, "Mode Not Supported" message is displayed.	 Check the maximum resolution and the frequency of the video adapter. Compare these values with the data in the Display Modes. (refer to page 49) 				
In PC mode, horizontal or vertical bars appear to flicker, jitter or shimmer on the image.	 Adjust the Coarse or Fine function. (refer to page 39) 				
In PC mode, the screen is black and the power indicator light is steady amber or blinks every 0.5 or 1 seconds.	 The TV is using its power management system. Move the computer's mouse or press any key on the keyboard. 				

Troubleshooting: Before Contacting Service Personnel

In PC mode, the image is not stable and may appear to vibrate.

- Check that the display resolution and frequency from your computer or video board is an available mode for your set. On your computer check: Control Panel, Display, Settings.
- If the setting is not correct, use your computer utility programme to change the display settings.
 - Your set supports multiscan display functions within the following frequency domain:

Horizontal frequency(kHz)	30~69	
Vertical frequency(Hz)	50~75	
Maximum refresh rate (at 75Hz)	1024x768	

In PC mode, the image is not centred on the screen.

• Adjust the horizontal and vertical position.

TFT LCD panel manufactured by using advanced semiconductor technology with precision of 1ppm(one millionth) above is used for this product. But the pixels of RED, GREEN, BLUE and WHITE color seem to be bright sometimes or some of black pixels could be seen. This is not from bad quality and you can use it without uneasiness. For example, the number of TFT LCD sub pixels that is contained in this product are 2,359,296.

Power Saver

This set has a built-in power management system called PowerSaver. This system saves energy by switching your set into a low-power mode when it has not been used for a certain period of time. The available modes are "On", "Standby", "Sleep", and "Deep Sleep". PowerSaver operates with a VESA DPMS compliant video card installed in your computer. You use a software utility installed on your computer to set up this feature.

State	Normal Operation	Power-Saving Function mode (EPA/NUTEK)		
Horizontal Sync	Active	Inactive		
Vertical Sync	Active	Inactive		
Power Indicator	Off	Red, Blinking (1 sec interval)		
Power Consumption	40W	Less than 3W		

This set automatically returns to normal operation when horizontal and vertical sync are restored.

This occurs when you move the computer's mouse or press any key on the keyboard.

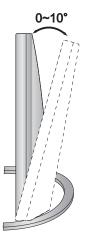
Technical and Environmental Specifications

Model Name	LE15E31S				
Panel Size	331.6(H) x 254.9(V)mm 13.05(H) X 10.03(V)inch				
Display Size	304.1(H) x 228.1(V)mm 11.97(H) X 8.98(V)inch				
Type	a-si TFT active matrix				
Pixel Pitch Viewing Angle	0.297(H) x 0.297(V)mm 140/115				
Frequency Horizontal	30 ~ 69kHz				
Vertical	50 ~ 75Hz				
Display Color	16.2 Million				
Resolution Optimum	1024 x 768@60Hz				
Maximum	1024 x 768@75Hz				
Input Signal Sync.	H/V Separate, TTL, P or N				
Video Signal	0.7 Vp-p @75 Ω				
Video	PAL / NTSC / SECAM				
Color System Video System	CVBS, S-VHS, RGB				
Power Supply					
Input	AC 100V ~ 240V (50 / 60Hz)				
Power Consumption Maximum	40W				
Power Saving	<3W				
Dimension (W x D x H)	400.0 X 22.4 X 205.5 mm				
TV Body	460.9 X 82.1 X 305.5 mm (18.14 X 3.23 X 12.02 inch)				
With stand	460.9 X 182.2 X 325.1 mm				
M-1-1-4	(18.14 X 7.17 X 12.79 inch)				
Weight With stand	4.05kg(8.92lbs)				
Environmental Considerations	50°F to 104°F (10°C to 40°C)				
Operationg Temperature Operating Humidity	10%to 80%, non-condensing				
Storage Temperature	-4°F to 113°F (-20°C to 45°C)				
Storage Humidity	5%to 95%, non-condensing				
Audio Characteristics Audio Input	RCA Jack (L, R), 0.5Vrms(-9dB)				
PC Audio Input	3.5ø Stereo Jack, 0.5Vrms(-9dB)				
Audio Output Headphone Output	2.5W x 2 Max 10mW Output/2 56 Stored Jack 32)				
Frequency	Max.10mW Output(3.5ø Stereo Jack 32) RF : 80Hz ~15kHz at -3dB				
Response	A/V : 80Hz ~20kHz at -3dB				

If the signal from the system equals the standard signal mode, the screen is adjusted automatically. If the signal from the system doesn't equal the standard signal mode, adjust the mode by referring to your Videocard user guide; otherwise there may be no video. For the display modes listed below, the screen image has been optimized during manufacture.

Mode(PC)	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
VGA	720X400	31.469	70.087	28.322	_ / +
	640X480	31.469	59.940	25.175	- / -
	640X480	37.500	75.000	31.500	- / -
SVGA	800X600	46.875	75.000	49.500	+ / +
	800X600	37.879	60.317	40.000	+ / +
XGA	1024X768	48.363	60.004	65.000	- / -
	1024X768	60.023	75.029	78.750	+ / +

Retractable Stand



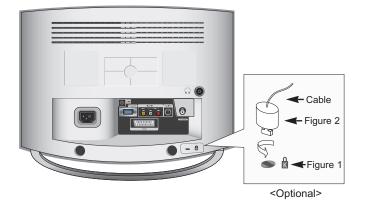
The maximum tilt angle is 10 degrees in the backward direction. Please do not tilt the television beyond the specified range. Using excessive force to tilt the television beyond the specified range may cause permanent damage to the mechanical part of the stand.

Using Your TV in Another Country

If you plan to take your TV with you to a foreign country, please be aware of the different television systems that are in use around the world.

A TV designed for one system may not work properly with another system due to differences in the TV channel frequencies.

Using the Anti-Theft Kensington Lock



The Kensington lock is a device used to physically fix the system when using it in a public place. The locking device has to be purchased separately. The appearance and locking method may differ from the illustration depending on the manufacturer. Please refer to the manual provided with the Kensington lock for proper use.

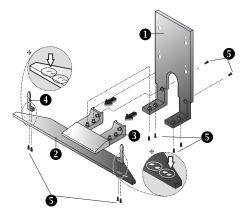
- **1.** Insert the locking device into the Kensington slot on the LCD TV (Figure 1), and turn it in the locking direction (Figure 2).
- **2.** Connect the Kensington lock cable.
- 3. Fix the Kensington lock to a desk or a heavy stationary object.

Installing the Wall Mount Kit (Sold separately)

This installation is to be used when attaching the wall mount to a concrete wall. When attaching to other building materials, please contact your nearest dealer.

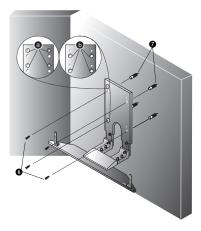


Connect the hinge to the wall mount bracket.





Secure the bracket to the wall.



Use (a) holes to attach the VESA mount. Use (b) holes to attach the Wall mount.

Installing the Wall Mount Kit (Sold separately)

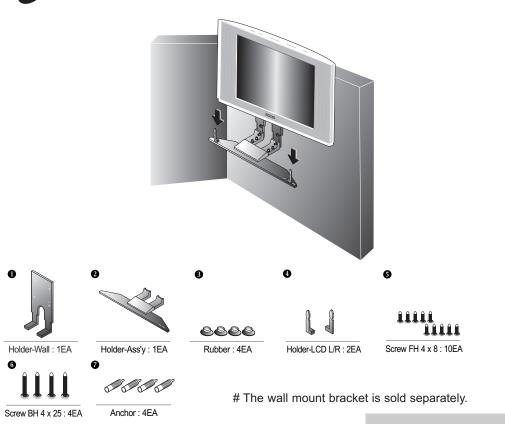


Remove the base from the TV set.





Mount the TV on the wall mount bracket.



Memo

- AFTER SALES SERVICE

 Do not hesitate to contact your retailer or service agent if a change in the performance of your product indicates that a faulty condition may be present.

